

December 24-Month Study
Date: December 12, 2018

From: Water Resources Group, Salt Lake City
To: All Colorado River Annual Operating Plan (AOP) Recipients

Current Reservoir Status

Reservoir	November Inflow (unregulated) (acre-feet)	Percent of Average (%)	December 11, Midnight Elevation (feet)	December 11, Midnight Reservoir Storage (acre-feet)
Fontenelle	38,400	91	6,486.43	204,000
Flaming Gorge	39,800	78	6,028.53	3,293,000
Blue Mesa	21,500	69	7,437.70	248,000
Navajo	15,300	46	6,017.11	885,000
Powell	254,400	54	3,584.90	10,365,000

Expected Operations

The operation of Lake Powell and Lake Mead in this December 2018 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines) and reflects the 2018 Annual Operating Plan (AOP) and draft 2019 AOP. Pursuant to the Interim Guidelines, the August 2018 24-Month Study projections of the January 1, 2019, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2019.

Consistent with Section 6.B of the Interim Guidelines, the Lake Powell operational tier for water year 2019 will be governed by the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 million acre-feet (maf) and the potential for an April adjustment to equalization or balancing releases in April 2019. This December 2018 24-Month Study indicates that, consistent with Section 6.B.4 of the Interim Guidelines, an April adjustment to balancing releases is projected to occur and the contents of Lake Powell and Lake Mead will be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf shall be released from Lake Powell. Based on the most probable inflow forecast, this December 24-Month Study projects a balancing release of 8.66 maf in water year 2019.

Consistent with Section 2.B.5 of the Interim Guidelines, the Intentionally Created Surplus (ICS) Surplus Condition is the criterion governing the operation of Lake Mead for calendar years 2018 and 2019.

The 2019 operational tier determinations will be documented in the 2019 AOP, which is currently in development.

The Interim Guidelines are available for download at:

<https://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.

The 2018 AOP is available for download at:

<https://www.usbr.gov/lc/region/g4000/aop/AOP18.pdf>

The draft 2019 AOP is available for download at:

https://www.usbr.gov/lc/region/g4000/AOP2019/AOP19_draft.pdf

Fontenelle Reservoir – Fontenelle Reservoir is currently at elevation 6486.8 feet above sea level (feet), which amounts to 60 percent of live storage capacity. Inflows for the month of November totaled 38,500 acre-feet (af), or 91 percent of average. Average inflows are occurring and releases are being adjusted to maintain capacity in the reservoir. Releases are currently set at 1,000 cubic feet per second (cfs) (12/10/2018).

The Colorado Basin River Forecast Center has forecasted inflows that are at or above average. December, January, and February forecasted inflow volumes amount to 31,000 af (97 percent of average), 30,000 af (99 percent of average), and 28,000 af (101 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for 10:00 a.m., April 24, 2019. The meeting will be held at the Seedskaadee National Wildlife Refuge. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir.

Flaming Gorge Reservoir – Releases are currently set at 2,000 cfs with fluctuations for hydropower. Average daily releases will likely remain at 2,000 cfs through the end of February.

Inflow into Flaming Gorge Reservoir during the month of November was 61,300 af, or 95 percent of average. The current reservoir elevation is 6028.7 feet (88 percent of live capacity) and decreasing.

The December final forecast for inflows for the next three months projects near average conditions: December, January, and February forecasted inflow volumes at 61,500 af (105 percent of average), 67,500 af (104 percent of average), and 66,500 af (100 percent of average), respectively.

The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stakeholders of Flaming Gorge Dam. The public is encouraged to attend and comment on the operations and plans presented by Reclamation

at these meetings. Meeting notes from past Working Group meetings are posted on the Working Group webpage. For more information on this group and these meetings please contact Dale Hamilton at 801-379-1186 or Jed Parker at 801-524-3816.

Reclamation will be holding the Flaming Gorge Working Group meeting on Thursday, March 14, 2019 at 10:00 a.m. at the Uintah Conference Center, 313 E 200 S, Vernal, Utah.

Aspinall Unit Reservoirs – As of December 11, 2018 releases from Crystal Dam are approximately 340 cfs. Uncompahgre Valley Water Users Association has stopped diversions through the Gunnison Tunnel except for periodic diversions to fill Fairview Reservoir. Flows through the Black Canyon are approximately 320 cfs. There is currently about a 20 cfs loss to the Gunnison River between Crystal Dam and the Gunnison Tunnel Diversion. As of December 11, 2018, Blue Mesa Reservoir elevation is 7437.70 feet which corresponds to storage content of 248,220 af (30 percent of capacity).

The November unregulated inflow to Blue Mesa Reservoir was 21,500 af (69 percent of average). Unregulated Inflows to Blue Mesa for the next three months (December, January and February) are projected to be: 18,000 af (69 percent of average), 15,000 af (62 percent of average) and 14,000 af (63 percent of average), respectively. For water year 2019, the unregulated inflow volume is forecasted to be 684,400 af (71 percent of average) with 490,000 af (72 percent of average) of unregulated inflow occurring during the April through July period. The December 24-Month Study is reflective of this new forecast.

Conditions are clearly very dry. Blue Mesa Reservoir did not fill in water year 2018 and will most likely not fill in water year 2019 either. Current projections indicate Blue Mesa storage will remain near the current level till March of 2019 before rebounding during the spring runoff. Current projections show Blue Mesa will reach a low elevation for water year 2019 of about 7,436.5 feet near the end of February 2019 and a peak elevation for water year 2019 of about 7472 feet in late July 2019. The projected end of water year 2019 elevation of Blue Mesa is 7464.3 feet which corresponds to a live storage content of 398,300 acre-feet (48 percent of full capacity).

The Aspinall Unit Working Group is an open public forum for information exchange between Reclamation and the stakeholders of the Aspinall Unit. The public is encouraged to attend and comments on the operations and plans presented by Reclamation at these meetings. Meeting notes from past working Group meetings are posted on the Working Group webpage. For more information on this group and these meetings please contact Erik Knight in the Grand Junction Area Office at (970) 248-0629.

Meeting notes from past working Group meetings are posted on the Working Group webpage at:

<https://www.usbr.gov/uc/wcao/water/rsvrs/mtgs/amcurrnt.html>

The next meeting of the Aspinall Unit Working Group will be held on Thursday, January 17, 2019 at 1:00 pm at the Holiday Inn Express located in Montrose, Colorado.

Navajo Reservoir – The current (December 10th) daily average release rate from Navajo Dam is 289 cfs and the observed inflow to Navajo Reservoir is 205 cfs. The Navajo Indian Irrigation Project (NIIP) has shut down for the season. The NIIP diversion total for the year was 222,800 af. The reservoir elevation is 6017.17 feet which corresponds to a live storage of 0.886 maf (52 percent of live storage capacity). This elevation also corresponds to an active storage of 0.224 maf (22 percent of active storage capacity). The river flow measured at the San Juan River at Four Corners USGS gage is 565 cfs. River flow at the Animas River at Farmington USGS gage is at 225 cfs. Releases from Navajo Dam are made for the authorized purposes of the Navajo Unit, and pursuant to the 2006 Record of Decision, to attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell). The San Juan River Basin Recovery Implementation Program (SJRIP) recommends a target base flow of between 500 cfs and 1,000 cfs through the critical habitat area. The target base flow is calculated as the weekly average of gaged flows throughout the critical habitat area.

Preliminary modified-unregulated inflow into Navajo (inflow adjusted for upstream change in storage, reservoir evaporation and exportation from the basin) in November was 15,278 af (46 percent of average).

Forecast modified-unregulated inflow to Navajo over the next three months (December, January, and February) are projected to be: 13,000 af (52 percent of average), 13,000 af (59 percent of average), and 16,000 af (53 percent of average), respectively.

Releases for the winter will be made to maintain the minimum target baseflow in the critical habitat reach and will decrease as irrigation in the basin decreases. When conditions allow, the release will be reduced to as low as the minimum release of 250 cfs, so long as the target baseflow downstream is still met.

Reclamation conducts Public Operations Meetings three times per year to gather input for determining upcoming operations for Navajo Reservoir. Input from individuals, organizations, and agencies along with other factors such as weather, water rights, endangered species requirements, flood control, hydro power, recreation, fish and wildlife management, and reservoir levels, will be considered in the development of these reservoir operation plans. In addition, the meetings are used to coordinate activities and exchange information among agencies, water users, and other interested parties concerning the San Juan River and Navajo Reservoir.

The next Navajo Public Operations Coordination Meeting is scheduled for Tuesday, January 29th, 2019, at 1:00 p.m. at the Farmington Civic Center, Farmington, NM.

Glen Canyon Dam / Lake Powell

Current Status

The unregulated inflow in November was 253 thousand acre-feet (kaf) (54 percent of average). November precipitation in the Upper Colorado Basin was 100 percent of average, but the extremely dry soil conditions decreased the amount of observed runoff. The release volume from Glen Canyon Dam in November was 661 kaf. The end of November elevation and storage of Lake Powell were 3,586.50 feet (113.5 feet from full pool) 10.50 maf (43 percent of full capacity).

Current Operations

The operating tier for water year 2019 was established in August 2018 as the Upper Elevation Balancing Tier. As described in the Interim Guidelines, under balancing, the contents of Lake Powell and Lake Mead are to be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf is to be released from Lake Powell. Under this Tier the initial annual water year release volume is 8.23 maf but there is potential for an April 2019 adjustment to equalization or balancing releases. Based on the current forecast, an April adjustment to balancing releases is projected and Lake Powell is currently projected to release 8.66 maf in water year 2019. This projection will be updated each month throughout the water year.

In December, the release volume will be approximately 740 kaf, with fluctuations anticipated between about 8,415 cfs in the nighttime to about 15,165 cfs in the daytime and consistent with the Glen Canyon Dam, Record of Decision on LTEMP (dated December, 2016). The anticipated release volume for January is 860 kaf.

In addition to daily scheduled fluctuations for power generation, the instantaneous releases from Glen Canyon Dam may also fluctuate to provide 40 megawatts (mw) of system regulation. These instantaneous release adjustments stabilize the electrical generation and transmission system and translate to a range of about 1,200 cfs above or below the hourly scheduled release rate. Under normal conditions, fluctuations for regulation are typically short lived and generally balance out over the hour with minimal or no noticeable impacts on downstream river flow conditions.

Releases from Glen Canyon Dam can also fluctuate beyond scheduled releases when called upon to respond to power system emergencies. Depending on the severity of the system emergency, the response from Glen Canyon Dam can be significant and within the full range of the operating capacity of the power plant for as long as is necessary to maintain balance in the transmission system. Glen Canyon Dam currently maintains 28 mw (approximately 830 cfs) of generation capacity in reserve in order to respond to a system emergency even when generation rates are already high. System emergencies occur fairly infrequently and typically require small responses from Glen Canyon Dam. However, these responses can have a noticeable impact on the river downstream of Glen Canyon Dam.

Inflow Forecasts and Model Projections

The forecast for water year 2019 unregulated inflow to Lake Powell, issued on December 1, 2018, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume next year will be 7.1 maf (66 percent of average). There is significant uncertainty regarding next season's snow pack development and resulting runoff into Lake Powell. The forecast ranges from a minimum probable of 4.6 maf (42 percent of average) to a maximum probable of 15.4 maf (142 percent of average). There is a 10 percent chance that inflows could be higher than the current maximum probable forecast and a 10 percent chance that inflows could be lower than the minimum probable forecast.

Based on the current forecast, the December 24-Month Study projects Lake Powell elevation will end water year 2019 near 3,571.23 feet with approximately 9.21 maf in storage (38 percent of capacity). Note that projections of elevation and storage for water year 2019 have significant uncertainty at this point in the season. Projections of end of water year 2019 elevation and storage using the minimum and maximum probable inflow forecast from October 2018 are 3,556 feet (8.027 maf, 33 percent of capacity) and 3,636 feet (15.54 maf, 64 percent of capacity), respectively. Under these scenarios, there is a 10 percent chance that inflows will be higher, resulting in higher elevation and storage, and 10 percent chance that inflows will be lower, resulting in lower elevation and storage. The annual release volume from Lake Powell during water year 2019 is projected to be 8.66 maf under the December most probable scenario, and 9.0 maf under the October maximum probable inflow scenarios and 8.23 maf under the October minimum probable inflow scenario.

Upper Colorado River Basin Hydrology

Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 19-year period 2000 to 2018, however, the unregulated inflow to Lake Powell, which is a good measure of hydrologic conditions in the Colorado River Basin, was above average in only 4 out of the past 19 years. The period 2000-2018 is the lowest 19-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.54 maf, or 79 percent of the 30-year average (1981-2010). (For comparison, the 1981-2010 total water year average is 10.83 maf.) The unregulated inflow during the 2000-2018 period has ranged from a low of 2.64 maf (24 percent of average) in water year 2002 to a high of 15.97 maf (147 percent of average) in water year 2011. In water year 2018 unregulated inflow volume to Lake Powell was 4.6 maf (43 percent of average), the third driest year on record above 2002 and 1977. Under the current most probable forecast, the total water year 2019 unregulated inflow to Lake Powell is projected to be 7.6 maf (70 percent of average).

At the beginning of water year 2019, total system storage in the Colorado River Basin was 28.01 maf (47 percent of 59.6 maf total system capacity). This is a decrease of 4.91 maf over the total storage at the beginning of water year 2018 when total system storage was 32.92 maf (55 percent of capacity). Since the beginning of water year 2000, total Colorado Basin storage has experienced year to year increases and decreases in response to wet and dry hydrology, ranging from a high of 94 percent of capacity at the beginning of 2000 to the now current level of 47 percent of capacity at the beginning of water year

2019. Based on current inflow forecasts, the current projected end of water year total Colorado Basin reservoir storage for water year 2019 is approximately 25.14 maf (42 percent of total system capacity). The actual end of water year 2019 system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and reservoir inflow.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION

WATER RESOURCES GROUP

ATTENTION UC-430

125 SOUTH STATE STREET, ROOM 8100

SALT LAKE CITY, UT 84138-5571

PHONE 801-524-3709

 RUNOFF AND INFLOW PROJECTIONS INTO UPPER BASIN RESERVOIRS ARE PROVIDED BY
 THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICES'S
 COLORADO BASIN RIVER FORECAST CENTER AND ARE AS FOLLOWS

:	Obs				nov	Forecast			
:	aug	sep	oct	nov	%Avg	dec	jan	feb	
GLDA3:Lake Powell	11.2	0.92	351	253	53%:	240/	235/	260/	
GBRW4:Fontenelle	50	30	42	38	90%:	31/	30/	28/	
GRNU1:Flaming Gorge	42	17.3	54	40	78%:	31/	36/	39/	
BMDC2:Blue Mesa	18.6	11.6	23	22	71%:	18/	15/	14/	
MPSC2:Morrow Point	19.0	13.8	24	23	69%:	19/	16/	15/	
CLSC2:Crystal	21	15.2	27	26	68%:	21/	18/	17/	
TPIC2:Taylor Park	3.2	2.9	4.6	3.3	65%:	3/	3/	2.5/	
VCRC2:Vallecito	5.4	3.3	8.5	5.2	59%:	3.5/	3/	2.5/	
NVRN5:Navajo	-6.92	2.5	23	15.3	46%:	13/	13/	16	
LEMCM2:Lemon	0.73	0.48	1.85	1.02	61%:	0.5/	0.5/	0.5/	
MPHC2:McPhee	7.8	3.1	4.7	2.0	33%:	1.5/	2/	2/	
RBSC2:Ridgway	2.8	2.6	3.3	3.7	66%:	3/	2.5/	2/	
YDLC2:Deerlodge	3.9	1.79	18.3	18.5	55%:	16/	16/	18/:	

	Regulated Inflow	Evap Losses	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Dec 2017	46	1	72	8	80	6486.39	204
H Jan 2018	42	1	79	1	80	6479.83	165
I Feb 2018	38	0	72	0	72	6472.86	131
S Mar 2018	58	0	16	56	71	6469.78	117
T Apr 2018	101	1	83	4	87	6472.76	130
O May 2018	354	2	100	123	223	6494.84	260
R Jun 2018	404	2	101	269	370	6499.18	292
I Jul 2018	138	3	92	8	100	6503.79	327
C Aug 2018	50	2	75	1	76	6500.10	299
A Sep 2018	30	2	7	58	65	6495.11	262
WY 2018	1397	15	856	528	1382		
L Oct 2018	42	1	45	20	65	6491.62	238
* Nov 2018	38	1	60	0	60	6488.29	216

Dec 2018	31	1	61	0	61	6483.36	186
Jan 2019	30	1	61	0	61	6477.52	154
Feb 2019	28	0	56	0	56	6471.58	126
Mar 2019	45	0	58	0	58	6468.31	112
Apr 2019	70	1	61	0	61	6470.26	120
May 2019	125	1	73	0	73	6480.80	171
Jun 2019	240	2	102	20	122	6498.42	287
Jul 2019	155	3	102	8	110	6503.98	330
Aug 2019	65	2	68	0	68	6503.35	325
Sep 2019	41	2	36	29	65	6499.94	298

WY 2019	910	15	784	77	861		
Oct 2019	45	1	69	0	69	6496.52	273
Nov 2019	41	1	67	0	67	6492.69	246
Dec 2019	32	1	69	0	69	6486.96	208
Jan 2020	30	1	69	0	69	6480.37	169
Feb 2020	28	0	65	0	65	6472.79	131
Mar 2020	53	0	71	0	71	6468.49	113
Apr 2020	85	1	77	0	77	6470.27	120
May 2020	164	1	98	19	117	6479.87	166
Jun 2020	299	2	102	71	173	6498.88	291
Jul 2020	178	3	102	39	141	6503.26	324
Aug 2020	77	2	98	0	98	6500.13	300
Sep 2020	46	2	21	75	95	6493.07	249
WY 2020	1077	15	909	203	1112		
Oct 2020	49	1	98	0	98	6485.34	198
Nov 2020	42	1	95	0	95	6475.57	144

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir



	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
* Dec 2017	52	86	2	174	0	174	135	6029.85	3343	197
H Jan 2018	52	90	2	175	0	175	131	6027.65	3259	208
I Feb 2018	57	91	2	155	1	157	129	6025.91	3194	197
S Mar 2018	86	99	3	106	0	106	128	6025.65	3184	178
T Apr 2018	121	108	5	101	0	101	128	6025.69	3186	277
O May 2018	422	290	8	163	6	169	133	6028.57	3294	572
R Jun 2018	435	401	11	125	0	125	143	6035.09	3550	278
I Jul 2018	140	102	14	120	0	120	142	6034.33	3519	141
C Aug 2018	42	68	13	124	0	124	139	6032.67	3453	142
A Sep 2018	17	52	11	119	0	119	136	6030.75	3378	132
WY 2018	1594	1580	82	1608	7	1616				2638
L Oct 2018	54	77	7	99	0	99	135	6030.03	3350	131
* Nov 2018	40	61	4	93	0	93	133	6029.15	3316	121

Dec 2018	31	61	2	123	0	123	131	6027.55	3256	139
Jan 2019	36	67	2	123	0	123	129	6026.09	3201	139
Feb 2019	39	67	2	111	0	111	127	6024.88	3156	129
Mar 2019	88	101	3	61	0	61	128	6025.83	3191	116
Apr 2019	105	96	5	60	0	60	130	6026.66	3222	210
May 2019	160	108	8	61	0	61	131	6027.64	3259	501
Jun 2019	270	152	10	137	0	137	131	6027.76	3263	562
Jul 2019	175	130	13	85	0	85	133	6028.54	3293	153
Aug 2019	73	76	13	105	0	105	131	6027.49	3253	123
Sep 2019	48	72	11	101	0	101	129	6026.48	3215	115
WY 2019	1118	1069	80	1159	0	1159				2440
Oct 2019	54	78	7	68	0	68	130	6026.56	3218	94
Nov 2019	49	75	3	65	0	65	130	6026.72	3224	94
Dec 2019	35	72	2	111	0	111	128	6025.68	3185	136
Jan 2020	40	79	2	111	0	111	127	6024.82	3154	136
Feb 2020	45	82	2	104	0	104	126	6024.19	3130	131
Mar 2020	102	120	3	80	0	80	127	6025.17	3167	157
Apr 2020	134	125	5	77	0	77	129	6026.29	3208	293
May 2020	245	198	8	92	0	92	133	6028.79	3303	624
Jun 2020	390	263	11	207	0	207	135	6029.94	3347	627
Jul 2020	210	174	14	123	0	123	136	6030.87	3383	223
Aug 2020	89	111	13	123	0	123	135	6030.24	3358	148
Sep 2020	55	104	11	119	0	119	134	6029.60	3333	138
WY 2020	1447	1482	80	1279	0	1279				2801
Oct 2020	59	109	7	123	0	123	133	6029.06	3313	155
Nov 2020	51	104	3	119	0	119	133	6028.60	3295	151

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study
Most Probable Inflow*
Taylor Park Reservoir



	Regulated Inflow	Total Release	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
Date (1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Dec 2017	4	6	9313.84	76
H Jan 2018	4	6	9312.64	74
I Feb 2018	4	6	9311.50	72
S Mar 2018	5	6	9310.51	71
T Apr 2018	8	7	9311.18	72
O May 2018	24	12	9318.33	84
R Jun 2018	13	15	9317.29	82
I Jul 2018	5	14	9311.71	73
C Aug 2018	3	13	9305.51	63
A Sep 2018	3	8	9301.71	58
WY 2018	88	108		
L Oct 2018	5	3	9302.60	59
* Nov 2018	3	3	9302.61	59
Dec 2018	3	3	9302.54	59
Jan 2019	3	3	9302.47	59
Feb 2019	3	3	9302.26	58
Mar 2019	3	3	9301.83	58
Apr 2019	4	3	9302.54	59
May 2019	21	10	9309.86	70
Jun 2019	37	15	9322.56	92
Jul 2019	15	18	9320.95	89
Aug 2019	7	15	9316.48	81
Sep 2019	6	13	9312.34	74
WY 2019	109	93		
Oct 2019	6	6	9312.24	74
Nov 2019	5	5	9312.08	73
Dec 2019	5	5	9311.76	73
Jan 2020	4	5	9311.24	72
Feb 2020	4	5	9310.55	71
Mar 2020	4	8	9308.29	67
Apr 2020	9	8	9308.78	68
May 2020	28	30	9307.67	66
Jun 2020	42	30	9314.91	78
Jul 2020	20	10	9320.64	88
Aug 2020	10	8	9321.89	90
Sep 2020	7	8	9321.55	90
WY 2020	144	128		
Oct 2020	7	6	9321.90	90
Nov 2020	5	5	9321.96	91

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast



	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Dec 2017	25	27	0	93	0	93	7491.44	593
H Jan 2018	20	22	0	60	0	60	7486.51	554
I Feb 2018	23	25	0	32	0	32	7485.54	547
S Mar 2018	28	29	0	43	0	43	7483.73	534
T Apr 2018	48	47	1	82	0	82	7478.94	498
O May 2018	112	100	1	85	0	85	7480.90	513
R Jun 2018	56	57	1	98	0	98	7475.06	471
I Jul 2018	21	31	1	101	0	101	7464.43	399
C Aug 2018	19	28	1	93	0	93	7453.77	334
A Sep 2018	12	17	1	30	39	68	7444.44	282
WY 2018	433	453	7	856	39	895		
L Oct 2018	23	22	0	46	11	56	7437.59	248
* Nov 2018	22	21	0	19	0	19	7438.08	250

Dec 2018	18	18	0	19	0	19	7437.79	249
Jan 2019	15	15	0	18	0	18	7437.07	245
Feb 2019	14	14	0	16	0	16	7436.60	243
Mar 2019	25	26	0	18	0	18	7438.19	251
Apr 2019	50	49	0	43	0	43	7439.37	256
May 2019	145	134	1	105	0	105	7444.94	285
Jun 2019	215	193	1	37	0	37	7470.57	440
Jul 2019	80	83	1	72	0	72	7471.95	449
Aug 2019	45	53	1	74	0	74	7468.66	427
Sep 2019	33	40	1	67	0	67	7464.34	399

WY 2019	684	668	6	536	11	546		
Oct 2019	35	35	0	42	0	42	7463.12	391
Nov 2019	30	30	0	13	0	13	7465.77	408
Dec 2019	26	26	0	14	0	14	7467.68	420
Jan 2020	24	25	0	13	0	13	7469.43	432
Feb 2020	22	23	0	13	0	13	7471.02	443
Mar 2020	36	40	0	0	14	14	7474.63	468
Apr 2020	77	76	1	0	35	35	7480.34	509
May 2020	221	223	1	6	189	195	7483.91	535
Jun 2020	261	249	1	24	0	24	7511.50	759
Jul 2020	117	107	2	90	0	90	7513.23	774
Aug 2020	63	61	1	99	0	99	7508.75	735
Sep 2020	38	39	1	98	0	98	7501.58	674
WY 2020	951	934	8	412	238	650		
Oct 2020	38	38	1	65	0	65	7498.21	647
Nov 2020	31	31	0	36	0	36	7497.55	641

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

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	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Dec 2017	26	93	1	94	94	0	94	7152.45	111
H Jan 2018	22	60	2	62	62	0	63	7150.65	110
I Feb 2018	24	32	1	33	34	0	34	7149.19	108
S Mar 2018	29	43	1	44	49	0	49	7143.05	104
T Apr 2018	54	82	6	87	79	0	79	7154.30	112
O May 2018	121	85	8	94	94	0	94	7153.76	112
R Jun 2018	57	98	2	99	99	0	99	7154.16	112
I Jul 2018	22	101	1	102	101	0	101	7155.49	113
C Aug 2018	19	93	0	93	94	0	94	7153.96	112
A Sep 2018	14	68	2	70	84	0	84	7136.77	98
WY 2018	460	895	27	922	935	0	937		
L Oct 2018	24	56	1	57	56	0	56	7136.92	99
* Nov 2018	23	19	1	20	13	0	15	7143.47	104

Dec 2018	19	19	1	20	13	0	13	7153.73	112
Jan 2019	16	18	1	19	19	0	19	7153.73	112
Feb 2019	15	16	1	17	17	0	17	7153.73	112
Mar 2019	28	18	3	21	21	0	21	7153.73	112
Apr 2019	57	43	7	50	50	0	50	7153.73	112
May 2019	160	105	15	120	120	0	120	7153.73	112
Jun 2019	230	37	15	52	52	0	52	7153.73	112
Jul 2019	83	72	3	75	75	0	75	7153.73	112
Aug 2019	47	74	2	76	76	0	76	7153.73	112
Sep 2019	35	67	2	69	69	0	69	7153.73	112
WY 2019	737	546	52	598	583	0	585		

Oct 2019	37	42	2	45	45	0	45	7153.73	112
Nov 2019	32	13	2	15	15	0	15	7153.73	112
Dec 2019	28	14	2	16	16	0	16	7153.73	112
Jan 2020	27	13	2	16	16	0	16	7153.73	112
Feb 2020	25	13	3	15	15	0	15	7153.73	112
Mar 2020	40	14	4	18	18	0	18	7153.73	112
Apr 2020	88	35	11	46	46	0	46	7153.73	112
May 2020	247	195	26	221	221	0	221	7153.73	112
Jun 2020	281	24	20	44	44	0	44	7153.73	112
Jul 2020	123	90	6	96	96	0	96	7153.73	112
Aug 2020	67	99	3	103	103	0	103	7153.73	112
Sep 2020	41	98	3	101	101	0	101	7153.73	112
WY 2020	1035	650	84	735	735	0	735		

Oct 2020	41	65	3	67	67	0	67	7153.73	112
Nov 2020	33	36	2	38	38	0	38	7153.73	112

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*
Crystal Reservoir



	Unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage	Tunnel Flow	Below Tunnel Flow
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
* Dec 2017	29	94	3	97	97	0	97	6749.23	16	1	98
H Jan 2018	25	63	3	66	62	4	66	6747.99	16	1	65
I Feb 2018	27	34	3	37	16	20	36	6750.06	16	0	34
S Mar 2018	33	49	4	52	53	0	53	6747.97	16	13	38
T Apr 2018	60	79	6	84	84	0	84	6749.35	16	53	28
O May 2018	129	94	9	102	102	0	102	6749.41	16	62	39
R Jun 2018	61	99	3	102	102	0	102	6750.48	16	63	42
I Jul 2018	24	101	2	103	103	0	103	6750.59	16	64	41
C Aug 2018	21	94	2	96	98	0	98	6744.83	15	65	36
A Sep 2018	15	84	1	85	87	0	87	6737.22	13	59	33
WY 2018	505	937	45	982	959	26	985			438	553
L Oct 2018	27	56	3	59	55	0	55	6751.87	17	33	24
* Nov 2018	26	15	4	19	21	0	21	6743.11	14	1	19

Dec 2018	21	13	2	15	12	0	12	6753.04	17	0	12
Jan 2019	18	19	2	21	21	0	21	6753.04	17	0	21
Feb 2019	17	17	2	19	19	0	19	6753.04	17	0	19
Mar 2019	32	21	4	25	25	0	25	6753.04	17	5	20
Apr 2019	65	50	8	58	58	0	58	6753.04	17	42	16
May 2019	180	120	20	140	134	6	140	6753.04	17	62	78
Jun 2019	255	52	25	77	77	0	77	6753.04	17	61	16
Jul 2019	90	75	7	82	82	0	82	6753.04	17	65	17
Aug 2019	53	76	6	82	82	0	82	6753.04	17	65	17
Sep 2019	39	69	4	73	73	0	73	6753.04	17	55	18
WY 2019	823	585	86	671	660	6	667			389	279

Oct 2019	42	45	5	49	49	0	49	6753.04	17	30	19
Nov 2019	36	15	4	19	19	0	19	6753.04	17	0	19
Dec 2019	32	16	5	20	20	0	20	6753.04	17	0	20
Jan 2020	31	16	5	20	20	0	20	6753.04	17	0	20
Feb 2020	29	15	4	19	0	19	19	6753.04	17	0	19
Mar 2020	46	18	6	25	25	0	25	6753.04	17	5	20
Apr 2020	101	46	12	58	58	0	58	6753.04	17	42	16
May 2020	281	221	34	256	134	121	256	6753.04	17	62	194
Jun 2020	315	44	34	78	78	0	78	6753.04	17	61	17
Jul 2020	138	96	14	111	111	0	111	6753.04	17	65	46
Aug 2020	75	103	8	111	111	0	111	6753.04	17	65	46
Sep 2020	47	101	6	107	107	0	107	6753.04	17	55	52
WY 2020	1173	735	138	873	732	140	873			385	488

Oct 2020	47	67	6	73	73	0	73	6753.04	17	30	43
Nov 2020	38	38	5	43	43	0	43	6753.04	17	0	43



	Regulated Inflow	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Dec 2017	3	1	7640.27	65
H Jan 2018	3	0	7641.42	67
I Feb 2018	3	0	7642.57	70
S Mar 2018	4	0	7644.11	73
T Apr 2018	15	3	7649.29	85
O May 2018	30	31	7648.91	84
R Jun 2018	14	35	7639.22	63
I Jul 2018	8	35	7624.15	35
C Aug 2018	5	19	7613.87	22
A Sep 2018	3	4	7613.06	21
WY 2018	102	153		
L Oct 2018	9	3	7617.56	26
* Nov 2018	5	0	7621.25	31
Dec 2018	4	0	7623.39	34
Jan 2019	3	0	7625.07	37
Feb 2019	3	0	7626.39	39
Mar 2019	4	0	7628.48	42
Apr 2019	12	0	7634.71	54
May 2019	42	30	7640.52	65
Jun 2019	48	41	7643.32	71
Jul 2019	21	40	7633.79	52
Aug 2019	15	37	7620.30	30
Sep 2019	12	29	7604.25	12
WY 2019	177	183		
Oct 2019	12	16	7599.97	9
Nov 2019	8	2	7606.78	14
Dec 2019	6	2	7611.40	19
Jan 2020	5	2	7614.59	22
Feb 2020	5	2	7617.07	25
Mar 2020	9	2	7622.07	32
Apr 2020	23	2	7634.61	53
May 2020	71	31	7652.53	93
Jun 2020	70	43	7663.07	120
Jul 2020	29	41	7658.11	107
Aug 2020	20	38	7650.77	89
Sep 2020	17	29	7645.63	77
WY 2020	277	209		
Oct 2020	16	16	7645.18	76
Nov 2020	9	2	7647.86	82

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*
Navajo Reservoir



	Mod Unreg Inflow (1000 Ac-Ft)	Aztec Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
* Dec 2017	11	0	9	1	0	25	6053.69	1270	40
H Jan 2018	12	0	9	1	0	23	6052.47	1255	40
I Feb 2018	13	0	11	1	1	17	6051.73	1246	33
S Mar 2018	24	2	19	2	6	21	6050.92	1236	30
T Apr 2018	70	13	46	2	20	38	6049.73	1222	42
O May 2018	88	16	71	3	36	32	6049.80	1223	69
R Jun 2018	6	3	24	4	42	42	6044.23	1159	49
I Jul 2018	-9	0	18	4	42	51	6036.94	1080	53
C Aug 2018	-7	0	7	3	42	51	6028.27	991	48
A Sep 2018	2	0	3	2	27	46	6020.80	919	42
WY 2018	268	36	283	24	224	405			540
L Oct 2018	23	1	17	1	7	31	6018.35	897	40
* Nov 2018	15	0	10	1	0	18	6017.43	888	34
Dec 2018	13	0	10	0	0	20	6016.31	878	27
Jan 2019	13	0	10	0	0	21	6015.12	867	28
Feb 2019	16	0	14	1	0	16	6014.78	864	22
Mar 2019	41	0	37	1	5	16	6016.45	879	27
Apr 2019	77	1	64	2	21	16	6019.24	905	44
May 2019	144	7	125	3	36	21	6026.15	970	109
Jun 2019	150	17	127	3	52	21	6031.26	1021	126
Jul 2019	34	18	36	3	57	27	6026.09	970	71
Aug 2019	32	1	53	3	48	28	6023.44	944	52
Sep 2019	30	1	46	2	26	24	6022.80	938	44
WY 2019	588	45	550	20	251	259			624
Oct 2019	37	1	40	1	10	22	6023.54	945	42
Nov 2019	30	1	24	1	0	21	6023.79	948	37
Dec 2019	25	0	20	0	0	22	6023.63	946	37
Jan 2020	22	0	18	0	0	22	6023.24	942	35
Feb 2020	30	0	27	1	0	20	6023.90	949	33
Mar 2020	92	0	85	1	6	22	6029.70	1006	44
Apr 2020	170	9	140	2	22	21	6038.94	1101	73
May 2020	277	21	216	3	36	22	6052.62	1257	168
Jun 2020	224	37	159	4	53	21	6059.24	1338	172
Jul 2020	66	29	50	4	57	22	6056.60	1305	89
Aug 2020	45	5	58	3	48	22	6055.34	1290	61
Sep 2020	43	2	53	3	26	21	6055.64	1293	53
WY 2020	1062	104	891	25	257	255			844
Oct 2020	47	2	46	2	0	22	6057.47	1316	50
Nov 2020	34	2	25	1	0	21	6057.75	1319	39

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*

Lake Powell



	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	PowerPlant Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry Gauge (1000 Ac-Ft)
* Dec 2017	299	483	29	740	0	740	3622.85	5179	14068	733
H Jan 2018	262	442	9	860	0	860	3619.14	5147	13672	861
I Feb 2018	269	387	10	730	0	730	3616.02	5121	13346	750
S Mar 2018	332	395	16	800	0	800	3612.23	5090	12956	835
T Apr 2018	382	419	25	705	0	705	3609.39	5067	12669	738
O May 2018	1214	968	29	705	0	705	3611.54	5085	12886	730
R Jun 2018	883	635	45	760	0	760	3609.98	5072	12728	781
I Jul 2018	123	252	53	860	0	860	3603.80	5023	12116	877
C Aug 2018	11	260	50	900	0	900	3597.12	4972	11477	911
A Sep 2018	1	230	45	670	0	670	3592.28	4936	11028	690
WY 2018	4612	5459	386	9000	0	9000				9158
L Oct 2018	351	477	30	625	0	625	3590.46	4923	10862	650
* Nov 2018	254	307	29	585	77	662	3586.50	4894	10507	668

Dec 2018	240	329	23	740	0	740	3581.93	4862	10105	745
Jan 2019	235	333	7	860	0	860	3576.13	4823	9611	871
Feb 2019	260	335	7	740	0	740	3571.51	4792	9230	744
Mar 2019	415	361	11	750	0	750	3566.91	4762	8860	755
Apr 2019	620	528	18	635	0	635	3565.45	4753	8744	643
May 2019	1260	1041	21	635	0	635	3569.92	4782	9101	641
Jun 2019	2000	1628	35	700	0	700	3579.87	4848	9928	708
Jul 2019	760	730	43	800	0	800	3578.64	4840	9824	819
Aug 2019	370	476	42	860	0	860	3573.93	4808	9429	878
Sep 2019	340	449	38	650	0	650	3571.23	4790	9207	661
WY 2019	7105	6994	303	8581	77	8658				8783

Oct 2019	455	471	26	480	0	480	3570.83	4788	9174	486
Nov 2019	447	438	25	500	0	500	3569.82	4781	9093	500
Dec 2019	363	423	20	600	0	600	3567.55	4767	8910	605
Jan 2020	361	420	6	720	0	720	3563.95	4744	8627	731
Feb 2020	393	432	6	640	0	640	3561.39	4728	8429	644
Mar 2020	665	556	10	675	0	675	3559.82	4718	8310	680
Apr 2020	1056	838	17	600	0	600	3562.49	4735	8514	608
May 2020	2343	1966	21	600	0	600	3577.88	4834	9759	606
Jun 2020	2666	2133	38	630	0	630	3593.23	4943	11115	638
Jul 2020	1091	1018	48	710	0	710	3595.82	4962	11356	729
Aug 2020	500	600	48	760	0	760	3593.74	4947	11163	778
Sep 2020	408	538	44	565	0	565	3593.02	4941	11096	576
WY 2020	10747	9832	311	7480	0	7480				7580

Oct 2020	512	579	31	640	0	640	3592.10	4935	11012	646
Nov 2020	473	535	29	640	0	640	3590.74	4925	10887	640

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*
Hoover Dam - Lake Mead



	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
* Dec 2017	740	43	37	594	9.7	12	593	664	1082.52	10221
H Jan 2018	860	78	30	449	7.3	10	448	692	1087.50	10642
I Feb 2018	730	60	28	687	12.4	10	693	696	1088.21	10703
S Mar 2018	800	70	32	833	13.5	14	832	695	1088.11	10694
T Apr 2018	705	43	39	1015	17.1	21	1015	675	1084.49	10387
O May 2018	705	21	44	1055	17.1	27	1054	651	1080.00	10011
R Jun 2018	760	27	53	986	16.6	28	985	634	1076.81	9748
I Jul 2018	860	106	65	820	13.3	27	819	637	1077.43	9799
C Aug 2018	900	74	70	749	12.2	28	748	645	1078.88	9918
A Sep 2018	670	84	58	725	12.2	24	723	642	1078.29	9870
WY 2018	9000	690	541	9240		241	9237			
L Oct 2018	625	100	42	641	10.4	23	634	643	1078.52	9889
* Nov 2018	662	68	42	690	11.6	16	689	642	1078.32	9872

Dec 2018	740	50	36	472	7.7	10	472	658	1081.40	10127
Jan 2019	860	78	30	554	9.0	11	554	679	1085.23	10449
Feb 2019	740	93	28	710	12.8	10	710	684	1086.17	10528
Mar 2019	750	56	31	996	16.2	20	996	670	1083.49	10303
Apr 2019	635	48	38	1062	17.8	24	1062	643	1078.51	9888
May 2019	635	31	43	997	16.2	33	997	618	1073.82	9505
Jun 2019	700	12	51	919	15.4	33	919	600	1070.40	9232
Jul 2019	800	81	64	843	13.7	36	843	596	1069.67	9174
Aug 2019	860	112	68	775	12.6	33	775	602	1070.81	9264
Sep 2019	650	105	56	735	12.3	26	735	598	1070.09	9207
WY 2019	8658	834	530	9393		276	9386			

Oct 2019	480	69	40	528	8.6	28	528	595	1069.52	9161
Nov 2019	500	61	40	624	10.5	20	624	588	1068.05	9045
Dec 2019	600	50	35	598	9.7	16	598	588	1068.07	9047
Jan 2020	720	78	28	607	9.9	14	607	597	1069.83	9186
Feb 2020	640	93	26	663	11.5	17	663	599	1070.15	9212
Mar 2020	675	56	29	988	16.1	22	988	580	1066.49	8923
Apr 2020	600	48	36	997	16.8	25	997	555	1061.51	8538
May 2020	600	31	40	917	14.9	31	917	533	1057.08	8203
Jun 2020	630	12	47	929	15.6	31	929	511	1052.44	7860
Jul 2020	710	81	58	813	13.2	31	813	504	1051.01	7756
Aug 2020	760	112	62	773	12.6	28	773	505	1051.13	7765
Sep 2020	565	105	51	701	11.8	25	701	498	1049.75	7665
WY 2020	7480	796	493	9139		286	9139			

Oct 2020	640	69	37	473	7.7	25	473	509	1052.01	7828
Nov 2020	640	61	37	634	10.7	17	634	510	1052.16	7840

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave



	Hoover Release	Side Inflow	Evap Losses	Power Release	Spill Release	Total Release	Total Release	Reservoir Elev End of Month	EOM Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 CFS)	(Ft)	(1000 Ac-Ft)
* Dec 2017	594	-16	9	552	0	552	9.0	640.68	1636
H Jan 2018	449	2	10	437	0	437	7.1	640.86	1641
I Feb 2018	687	-4	10	611	0	611	11.0	643.18	1704
S Mar 2018	833	-1	13	836	0	836	13.6	642.57	1687
T Apr 2018	1015	-3	17	1001	0	1001	16.8	642.40	1682
O May 2018	1055	-11	22	1001	0	1001	16.3	643.17	1703
R Jun 2018	986	-21	26	909	0	909	15.3	644.29	1734
I Jul 2018	820	-6	26	827	0	827	13.4	642.91	1696
C Aug 2018	749	-13	23	730	0	730	11.9	642.29	1679
A Sep 2018	725	-11	18	814	0	814	13.7	637.87	1561
WY 2018	9240	-103	198	8981	0	8981			
L Oct 2018	641	-11	15	635	0	635	10.3	637.08	1540
* Nov 2018	690	-28	11	610	0	610	10.3	638.62	1581

Dec 2018	472	-12	9	449	0	449	7.3	638.70	1563
Jan 2019	554	-19	10	442	0	442	7.2	641.80	1666
Feb 2019	710	-15	10	685	0	685	12.3	641.80	1666
Mar 2019	996	-17	13	931	0	931	15.1	643.05	1700
Apr 2019	1062	-20	17	1027	0	1027	17.3	643.00	1699
May 2019	997	-12	22	963	0	963	15.7	643.00	1699
Jun 2019	919	-15	25	878	0	878	14.8	643.00	1699
Jul 2019	843	-15	25	830	0	830	13.5	642.00	1671
Aug 2019	775	-12	23	740	0	740	12.0	642.00	1671
Sep 2019	735	-12	18	758	0	758	12.7	640.01	1618
WY 2019	9393	-190	198	8948	0	8948			

Oct 2019	528	-4	15	693	0	693	11.3	633.00	1434
Nov 2019	624	-12	10	550	0	550	9.2	635.00	1486
Dec 2019	598	-12	9	479	0	479	7.8	638.71	1583
Jan 2020	607	-19	10	496	0	496	8.1	641.80	1666
Feb 2020	663	-15	10	638	0	638	11.1	641.80	1666
Mar 2020	988	-17	13	923	0	923	15.0	643.05	1700
Apr 2020	997	-20	17	962	0	962	16.2	643.00	1699
May 2020	917	-12	22	882	0	882	14.3	643.00	1699
Jun 2020	929	-15	25	889	0	889	14.9	643.00	1699
Jul 2020	813	-15	25	800	0	800	13.0	642.00	1671
Aug 2020	773	-12	23	739	0	739	12.0	642.00	1671
Sep 2020	701	-12	18	724	0	724	12.2	640.01	1618
WY 2020	9139	-166	197	8775	0	8775			

Oct 2020	473	-4	15	637	0	637	10.4	633.00	1434
Nov 2020	634	-12	10	560	0	560	9.4	635.00	1486

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*
Parker Dam - Lake Havasu



	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
* Dec 2017	552	17	7	335	5.5	100	144	446.80	557	109	1.8
H Jan 2018	437	3	6	329	5.3	29	90	445.81	539	125	2.0
I Feb 2018	611	3	8	429	7.7	12	109	448.52	590	145	2.6
S Mar 2018	836	-3	9	637	10.4	61	139	447.46	570	195	3.2
T Apr 2018	1001	-8	11	735	12.4	75	168	447.13	564	175	2.9
O May 2018	1001	10	13	697	11.3	87	178	448.51	590	124	2.0
R Jun 2018	909	6	15	712	12.0	91	88	448.43	588	136	2.3
I Jul 2018	827	20	17	656	10.7	101	72	448.00	580	133	2.2
C Aug 2018	730	21	17	611	9.9	99	22	447.53	571	104	1.7
A Sep 2018	814	9	15	512	8.6	95	164	448.95	598	94	1.6
WY 2018	8981	100	139	6479		910	1431			1504	
L Oct 2018	635	22	12	394	6.4	86	176	448.12	582	68	1.1
* Nov 2018	610	17	9	357	6.0	85	173	447.99	580	97	1.6

Dec 2018	449	18	7	270	4.4	71	144	446.50	552	104	1.7
Jan 2019	442	21	6	279	4.5	85	88	446.50	552	125	2.0
Feb 2019	685	11	8	441	7.9	77	165	446.50	552	152	2.7
Mar 2019	931	7	9	720	11.7	16	181	446.70	555	192	3.1
Apr 2019	1027	16	11	739	12.4	68	176	448.70	593	178	3.0
May 2019	963	15	13	700	11.4	70	182	448.70	593	119	1.9
Jun 2019	878	13	16	720	12.1	68	74	448.70	593	127	2.1
Jul 2019	830	21	17	688	11.2	70	76	448.00	580	135	2.2
Aug 2019	740	23	17	598	9.7	70	76	447.50	571	104	1.7
Sep 2019	758	17	15	532	8.9	68	149	447.50	570	96	1.6
WY 2019	8948	201	140	6438		836	1657			1497	

Oct 2019	693	23	12	510	8.3	44	144	447.50	571	65	1.1
Nov 2019	550	16	9	389	6.5	43	120	447.50	571	99	1.7
Dec 2019	479	18	7	338	5.5	44	124	446.50	552	109	1.8
Jan 2020	496	21	6	313	5.1	87	106	446.50	552	134	2.2
Feb 2020	638	11	8	479	8.3	57	100	446.50	552	155	2.7
Mar 2020	923	7	9	708	11.5	77	125	446.70	555	191	3.1
Apr 2020	962	16	11	699	11.7	97	125	448.70	593	168	2.8
May 2020	882	15	13	635	10.3	99	137	448.70	593	100	1.6
Jun 2020	889	13	16	675	11.3	97	100	448.70	593	102	1.7
Jul 2020	800	21	17	642	10.4	99	62	448.00	580	107	1.7
Aug 2020	739	23	17	587	9.5	99	56	447.50	571	97	1.6
Sep 2020	724	17	15	507	8.5	97	112	447.50	570	86	1.5
WY 2020	8775	200	139	6481		941	1309			1412	

Oct 2020	637	23	12	475	7.7	54	112	447.50	571	71	1.2
Nov 2020	560	16	9	396	6.6	54	112	447.50	571	112	1.9

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*
Hoover Dam - Lake Mead



	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change in Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
* Dec 2017	594	9.7	1082.52	1022.1	131	439.05	821.0	235.7	52	396.6
H Jan 2018	449	7.3	1087.50	1064.2	421	442.14	834.0	176.5	51	392.9
I Feb 2018	687	12.4	1088.21	1070.3	61	441.97	1220.1	275.0	75	400.3
S Mar 2018	833	13.5	1088.11	1069.4	-9	442.23	1005.9	333.9	62	400.8
T Apr 2018	1015	17.1	1084.49	1038.7	-308	437.15	880.9	406.2	55	400.0
O May 2018	1055	17.1	1080.00	1001.1	-376	432.39	1385.9	412.1	88	390.8
R Jun 2018	986	16.6	1076.81	974.8	-263	428.91	1552.0	378.6	100	384.1
I Jul 2018	820	13.3	1077.43	979.9	51	432.34	1552.0	313.2	100	382.0
C Aug 2018	749	12.2	1078.88	991.8	119	435.01	1562.0	287.4	100	383.8
A Sep 2018	725	12.2	1078.29	987.0	-49	434.15	1562.0	278.7	100	384.7
WY 2018 9240										
L Oct 2018	641	10.4	1078.52	988.9	19	435.29	1406.1	247.8	87	386.7
* Nov 2018	690	11.6	1078.32	987.2	-16	434.47	755.0	266.1	49	385.8

Dec 2018	472	7.7	1081.40	1012.7	255	433.40	959.9	185.1	61	392.3
Jan 2019	554	9.0	1085.23	1044.9	322	435.58	1006.1	215.8	63	389.5
Feb 2019	710	12.8	1086.17	1052.8	79	436.94	1006.1	285.8	63	402.5
Mar 2019	966	16.2	1083.49	1030.3	-226	435.61	1010.0	399.5	63	401.2
Apr 2019	1062	17.8	1078.51	988.8	-414	431.82	925.9	430.7	60	405.6
May 2019	997	16.2	1073.82	960.5	-383	427.01	913.0	394.5	60	395.5
Jun 2019	919	15.4	1070.40	923.2	-274	418.71	1512.0	348.1	100	378.8
Jul 2019	843	13.7	1069.67	917.4	-58	416.98	1512.0	320.7	100	380.4
Aug 2019	775	12.6	1070.81	926.4	90	417.51	1528.0	292.7	100	377.8
Sep 2019	735	12.3	1070.09	920.7	-57	418.36	1528.0	277.5	100	377.7
WY 2019 9393										
Oct 2019	528	8.6	1069.52	916.1	-45	421.29	1341.0	196.6	88	372.0
Nov 2019	624	10.5	1068.05	904.5	-116	423.33	1219.0	239.4	81	383.3
Dec 2019	598	9.7	1068.07	904.7	2	421.30	1140.0	226.5	75	379.1
Jan 2020	607	9.9	1069.83	918.6	139	420.56	1056.0	230.8	70	380.0
Feb 2020	663	11.5	1070.15	921.2	25	421.40	950.0	254.7	62	384.1
Mar 2020	988	16.1	1066.49	892.3	-289	417.36	1210.0	372.2	81	376.8
Apr 2020	997	16.8	1061.51	853.8	-385	411.60	1390.9	370.0	91	370.9
May 2020	917	14.9	1057.08	820.3	-335	410.24	844.5	347.7	60	379.2
Jun 2020	929	15.6	1052.44	786.0	-343	401.53	1386.8	336.9	100	362.6
Jul 2020	813	13.2	1051.01	775.6	-104	398.85	1378.6	294.0	100	361.6
Aug 2020	773	12.6	1051.13	776.5	9	398.53	1379.4	278.2	100	359.7
Sep 2020	701	11.8	1049.75	766.5	-100	398.55	1371.5	250.4	100	357.5
WY 2020 9139										
Oct 2020	473	7.7	1052.01	782.8	164	402.53	1215.1	172.4	88	364.6
Nov 2020	634	10.7	1052.16	784.0	12	406.76	1108.6	230.6	81	363.5

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*
Davis Dam - Lake Mohave



	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change in Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
* Dec 2017	552	9.0	640.68	1636	17	139.44	131.6	69.5	52	126.0
H Jan 2018	437	7.1	640.86	1641	5	141.78	159.6	55.0	63	125.9
I Feb 2018	611	11.0	643.18	1704	63	142.18	162.1	76.6	64	125.4
S Mar 2018	836	13.6	642.57	1687	-17	139.99	189.2	105.4	74	126.1
T Apr 2018	1001	16.8	642.40	1682	-5	141.14	207.4	125.1	81	125.0
O May 2018	1001	16.3	643.17	1703	21	141.89	204.0	126.2	80	126.1
R Jun 2018	909	15.3	644.29	1734	31	143.00	255.0	150.3	100	126.6
I Jul 2018	827	13.4	642.91	1696	-38	141.79	255.0	105.3	100	127.4
C Aug 2018	730	11.9	642.29	1679	-17	141.02	255.0	92.7	100	127.1
A Sep 2018	814	13.7	637.87	1561	-119	136.59	255.0	101.2	100	124.3
WY 2018	8981							1126.3		
L Oct 2018	635	10.3	637.08	1540	-21	135.95	184.3	77.8	72	122.4
* Nov 2018	610	10.3	638.62	1581	40	137.20	158.1	78.4	62	128.4

Dec 2018	449	7.3	638.70	1583	2	134.67	153.0	55.7	60	124.1
Jan 2019	442	7.2	641.80	1666	83	135.09	189.2	55.5	74	125.6
Feb 2019	685	12.3	641.80	1666	0	136.12	207.6	85.7	81	125.1
Mar 2019	931	15.1	643.05	1700	34	136.76	207.3	116.1	81	124.7
Apr 2019	1027	17.3	643.00	1699	-1	136.60	234.6	127.9	92	124.6
May 2019	963	15.7	643.00	1699	0	136.04	255.0	120.4	100	125.1
Jun 2019	878	14.8	643.00	1699	0	136.04	255.0	110.1	100	125.4
Jul 2019	830	13.5	642.00	1671	-27	135.51	255.0	104.0	100	125.3
Aug 2019	740	12.0	642.00	1671	0	134.99	255.0	92.8	100	125.3
Sep 2019	758	12.7	640.01	1618	-54	133.94	255.0	94.1	100	124.2
WY 2019	8948							1118.5		

Oct 2019	693	11.3	633.00	1434	-183	131.28	185.9	83.6	73	120.7
Nov 2019	550	9.2	635.00	1486	51	129.81	153.0	65.6	60	119.2
Dec 2019	479	7.8	638.71	1583	97	131.17	200.7	58.6	79	122.3
Jan 2020	496	8.1	641.80	1666	83	134.32	213.9	62.1	84	125.3
Feb 2020	638	11.1	641.80	1666	0	136.12	207.6	80.1	81	125.5
Mar 2020	923	15.0	643.05	1700	34	136.76	207.3	115.2	81	124.8
Apr 2020	962	16.2	643.00	1699	-1	136.60	234.6	120.2	92	124.9
May 2020	882	14.3	643.00	1699	0	136.04	255.0	110.7	100	125.5
Jun 2020	889	14.9	643.00	1699	0	136.04	255.0	111.3	100	125.3
Jul 2020	800	13.0	642.00	1671	-27	135.51	255.0	100.3	100	125.5
Aug 2020	739	12.0	642.00	1671	0	134.99	255.0	92.6	100	125.4
Sep 2020	724	12.2	640.01	1618	-54	133.94	255.0	90.0	100	124.4
WY 2020	8775							1090.4		

Oct 2020	637	10.4	633.00	1434	-183	131.28	185.9	77.1	73	121.0
Nov 2020	560	9.4	635.00	1486	51	129.81	153.0	66.7	60	119.1

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*
Parker Dam - Lake Havasu



	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change in Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
* Dec 2017	335	5.5	446.80	557	-20	81.55	92.9	22.5	77	67.0
H Jan 2018	329	5.3	445.81	539	-18	80.05	117.1	22.8	98	69.2
I Feb 2018	429	7.7	448.52	590	50	81.30	92.1	30.3	77	70.6
S Mar 2018	638	10.4	447.46	570	-20	81.79	102.6	44.9	85	70.4
T Apr 2018	735	12.4	447.13	564	-6	81.11	120.0	50.8	100	69.1
O May 2018	697	11.3	448.51	590	26	82.36	120.0	48.5	100	69.6
R Jun 2018	712	12.0	448.43	588	-1	80.33	120.0	49.7	100	69.9
I Jul 2018	656	10.7	448.00	580	-8	81.97	120.0	46.0	100	70.2
C Aug 2018	611	9.9	447.53	571	-9	79.27	120.0	42.7	100	69.9
A Sep 2018	512	8.6	448.95	598	27	83.02	120.0	35.9	100	70.1
WY 2018	6479							451.7		
L Oct 2018	394	6.4	448.12	582	-16	82.83	90.0	27.9	75	70.9
* Nov 2018	350	6.0	447.99	580	-3	82.25	93.0	26.1	78	74.4

Dec 2018	270	4.4	446.50	552	-28	74.80	116.1	16.9	97	62.6
Jan 2019	279	4.5	446.50	552	0	75.27	91.0	17.7	76	63.2
Feb 2019	441	7.9	446.50	552	0	75.21	92.1	28.8	77	65.3
Mar 2019	720	11.7	446.70	555	4	74.05	119.0	46.8	99	65.0
Apr 2019	739	12.4	448.70	593	38	75.08	120.0	48.7	100	65.9
May 2019	700	11.4	448.70	593	0	76.05	120.0	46.6	100	66.5
Jun 2019	720	12.1	448.70	593	0	76.05	120.0	47.9	100	66.6
Jul 2019	688	11.2	448.00	580	-13	75.71	120.0	45.5	100	66.2
Aug 2019	598	9.7	447.50	571	-9	75.13	120.0	39.2	100	65.4
Sep 2019	532	8.9	447.50	570	0	74.89	120.0	34.6	100	65.1

WY 2019	6432							426.6		
Oct 2019	510	8.3	447.50	571	0	76.29	90.0	33.8	75	66.2
Nov 2019	389	6.5	447.50	571	0	76.14	93.0	25.4	78	65.3
Dec 2019	338	5.5	446.50	552	-19	74.65	114.2	21.4	95	63.5
Jan 2020	313	5.1	446.50	552	0	75.07	94.8	19.9	79	63.6
Feb 2020	479	8.3	446.50	552	0	75.21	92.1	31.3	77	65.4
Mar 2020	708	11.5	446.70	555	4	74.01	120.0	45.9	100	64.9
Apr 2020	699	11.7	448.70	593	38	75.08	120.0	46.0	100	65.8
May 2020	635	10.3	448.70	593	0	76.05	120.0	42.1	100	66.3
Jun 2020	675	11.3	448.70	593	0	76.05	120.0	44.9	100	66.5
Jul 2020	642	10.4	448.00	580	-13	75.71	120.0	42.4	100	66.0
Aug 2020	587	9.5	447.50	571	-9	75.13	120.0	38.4	100	65.4
Sep 2020	507	8.5	447.50	570	0	74.89	120.0	32.9	100	65.0
WY 2020	6481							424.4		
Oct 2020	475	7.7	447.50	571	0	76.29	90.0	31.4	75	66.0
Nov 2020	396	6.6	447.50	571	0	76.19	92.0	25.9	77	65.4

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*

Upper Basin Power



Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
* Dec 2017	339	68	27	33	19	6
H Jan 2018	394	68	17	21	12	6
I Feb 2018	335	60	9	12	3	5
S Mar 2018	364	41	12	16	9	1
Winter 2018	2013	334	107	133	71	31
T Apr 2018	318	39	23	27	16	5
O May 2018	318	63	23	33	20	7
R Jun 2018	343	50	27	34	20	8
I Jul 2018	384	48	27	36	20	8
C Aug 2018	393	50	24	33	19	7
A Sep 2018	288	47	8	29	16	1
Summer 2018	2045	297	133	193	111	36
L Oct 2018	268	39	11	19	9	4
* Nov 2018	248	36	5	4	2	5
Dec 2018	283	45	5	4	2	5
Jan 2019	325	45	5	7	4	5
Feb 2019	276	41	4	6	3	4
Mar 2019	278	22	4	7	4	4
Winter 2019	1678	228	34	48	24	25
Apr 2019	233	22	11	18	10	4
May 2019	234	22	27	43	23	5
Jun 2019	261	50	10	19	13	8
Jul 2019	302	31	20	27	14	10
Aug 2019	321	38	21	28	14	6
Sep 2019	242	37	19	25	13	3
Summer 2019	1594	201	107	160	88	37
Oct 2019	178	25	12	16	9	6
Nov 2019	185	24	4	5	3	6
Dec 2019	221	40	4	6	4	6
Jan 2020	263	40	4	6	4	5
Feb 2020	232	38	4	5	0	5
Mar 2020	244	29	0	7	4	5
Winter 2020	1323	196	26	45	23	33
Apr 2020	217	28	0	17	10	5
May 2020	222	34	2	80	23	7
Jun 2020	240	76	7	16	13	8
Jul 2020	276	45	28	35	19	10
Aug 2020	296	45	31	37	19	9
Sep 2020	220	44	30	36	19	2
Summer 2020	1252	228	68	184	85	39
Oct 2020	249	45	20	24	13	8
Nov 2020	247	44	11	14	7	7

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2018 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions

	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Total KAF			Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
**** P R E D I C T E D S P A C E ****																				
Dec 2018	561	579	808	13815	15763	17505	33268			561	579	808	1948	13815	17505	33268	4580	472	0	27.1
Jan 2019	653	581	818	14217	16268	17250	33518			653	581	818	2051	14217	17250	33518	5350	554	0	26.9
**** E F F E C T I V E S P A C E ****																				
Jan 2019	653	581	818	14217	16268	17250	33518			234	234	275	744	14217	17250	32210	5350	554	0	26.9
Feb 2019	740	584	829	14711	16863	16928	33791			321	238	286	845	14711	16928	32483	1500	710	0	26.6
Mar 2019	812	587	832	15092	17323	16849	34172			393	240	288	921	15092	16849	32862	1500	996	0	26.0
Apr 2019	791	579	817	15462	17649	17074	34723			367	233	267	866	15462	17074	33403	1500	1062	0	25.6
May 2019	752	573	791	15578	17694	17489	35183			321	226	218	765	15578	17489	33832	1500	997	0	25.8
Jun 2019	664	544	726	15221	17155	17872	35027			223	185	115	522	15221	17872	33615	1500	919	0	26.7
Jul 2019	543	390	675	14394	16002	18145	34147			90	8	9	106	14394	18145	32645	1500	843	0	26.5
**** C R E D I T A B L E S P A C E ****																				
Aug 2019	471	380	726	14498	16076	18203	34280			471	380	726	1578	14498	18203	34280	1500	775	0	26.1
Sep 2019	516	403	752	14893	16564	18113	34677			516	403	752	1671	14893	18113	34677	2270	735	0	25.7
Oct 2019	580	431	758	15115	16885	18170	35055			580	431	758	1769	15115	18170	35055	3040	528	0	25.4
Nov 2019	603	439	751	15148	16940	18216	35156			603	439	751	1792	15148	18216	35156	3810	624	0	25.2
Dec 2019	624	422	748	15229	17023	18332	35354			624	422	748	1794	15229	18332	35354	4580	598	0	25.1
Jan 2020	700	409	750	15412	17271	18330	35601			700	409	750	1859	15412	18330	35601	5350	607	0	24.9
**** E F F E C T I V E S P A C E ****																				
Jan 2020	700	409	750	15412	17271	18330	35601			372	375	548	1295	15412	18330	35037	5350	607	0	24.9
Feb 2020	772	398	754	15695	17618	18191	35808			443	364	551	1358	15695	18191	35243	1500	663	0	24.7
Mar 2020	832	387	747	15893	17859	18165	36025			502	354	544	1400	15893	18165	35458	1500	988	0	24.4
Apr 2020	815	362	690	16012	17879	18454	36334			479	332	481	1292	16012	18454	35759	1500	997	0	24.5
May 2020	766	321	595	15808	17489	18839	36328			423	290	361	1074	15808	18839	35721	1500	917	0	25.7
Jun 2020	625	295	439	14563	15922	19174	35096			270	264	166	701	14563	19174	34438	1500	929	0	27.2
Jul 2020	457	71	358	13207	14092	19517	33609			87	27	28	142	13207	19517	32866	1500	813	0	27.4
**** C R E D I T A B L E S P A C E ****																				
Aug 2020	387	55	391	12966	13800	19621	33421			387	55	391	834	12966	19621	33421	1500	773	0	27.1
Sep 2020	436	94	406	13159	14096	19612	33708			436	94	406	937	13159	19612	33708	2270	701	0	26.7
Oct 2020	512	155	403	13226	14295	19712	34007			512	155	403	1070	13226	19712	34007	3040	473	0	26.5
Nov 2020	583	183	380	13310	14457	19549	34005			583	183	380	1146	13310	19549	34005	3810	634	0	26.4

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

Model Run ID: 3081

Processed On: 12/13/2018 9:33:27AM